



Robert Bosch Power Tools GmbH
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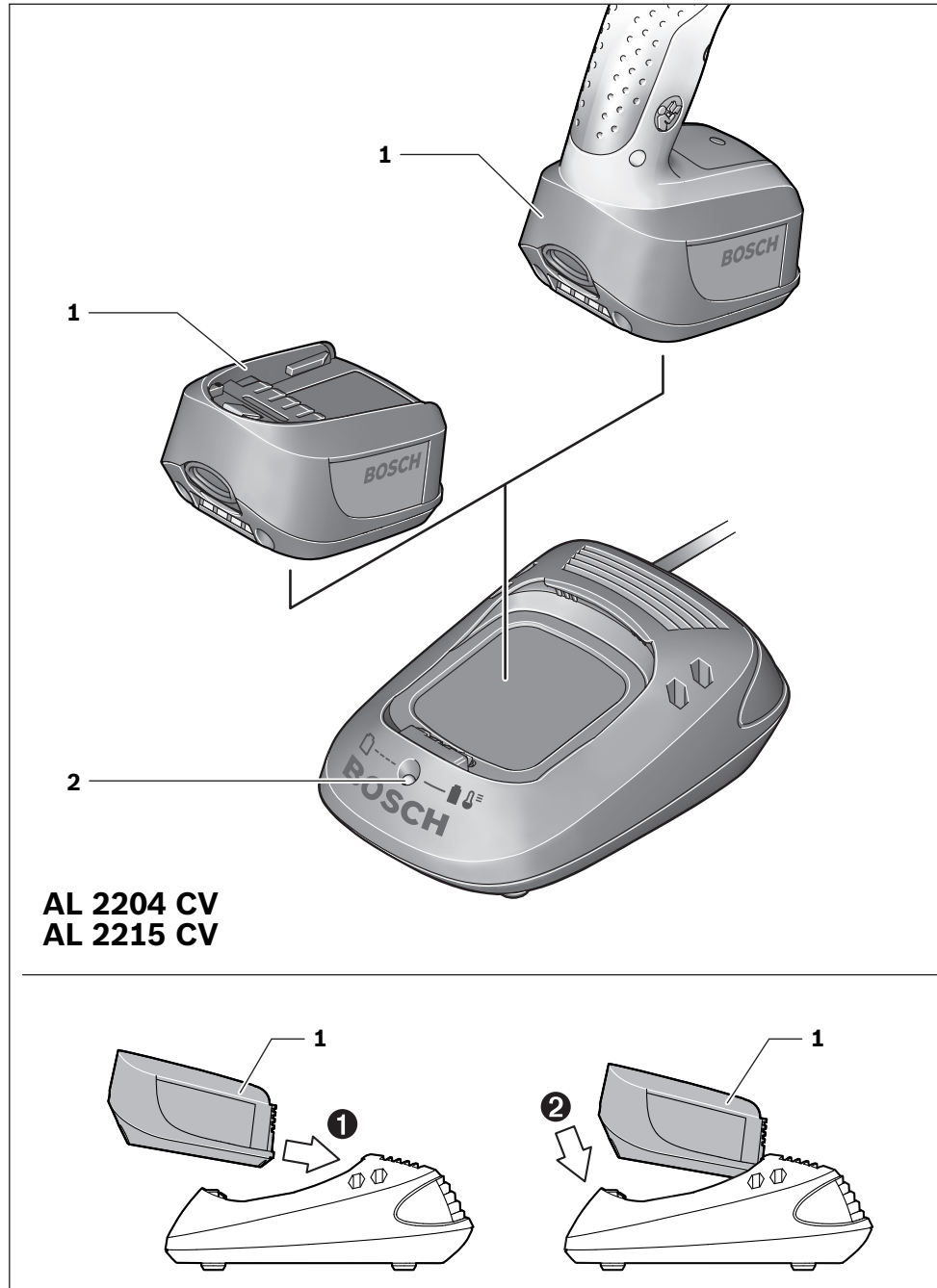
2204 CV | 2215 CV



en Original instructions



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English

Product Description and Specifications



Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save these instructions.

Use the battery charger only when you fully understand and can perform all functions without limitation, or have received appropriate instructions.

Safety Notes



Keep the battery charger away from rain or moisture. Penetration of water in the battery charger increases the risk of an electric shock.

- ▶ **Only charge Bosch lithium ion batteries or lithium ion batteries installed in Bosch products. The battery voltage must match the battery charging voltage of the charger.** Otherwise there is danger of fire and explosion.
- ▶ **Keep the battery charger clean.** Contamination can lead to danger of an electric shock.
- ▶ **Before each use, check the battery charger, cable and plug. If damage is detected, do not use the battery charger. Never open the battery charger yourself. Have repairs performed only by a qualified technician and only using original spare parts.** Damaged battery chargers, cables and plugs increase the risk of an electric shock.
- ▶ **Do not operate the battery charger on easily inflammable surfaces (e. g., paper, textiles, etc.) or surroundings.** The heating of the battery charger during the charging process can pose a fire hazard.

- ▶ **In case of damage and improper use of the battery, vapours may be emitted. Ventilate the area and seek medical help in case of complaints.** The vapours can irritate the respiratory system.
- ▶ **Supervise children.** This will ensure that children do not play with the charger.
- ▶ **This battery charger can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the battery charger in a safe way and understand the hazards involved.** Otherwise, there is danger of operating errors and injuries.
- ▶ **Cleaning and user maintenance of the battery charger shall not be made by children without supervision.**
- ▶ **Do not cover off the ventilation slots of the battery charger.** Otherwise, the battery charger can overheat and no longer operate properly.

Products sold in GB only: Your product is fitted with a BS 1363/A approved electric plug with internal fuse (ASTA approved to BS 1362).

If the plug is not suitable for your socket outlets, it should be cut off and an appropriate plug fitted in its place by an authorised customer service agent. The replacement plug should have the same fuse rating as the original plug.

The severed plug must be disposed of to avoid a possible shock hazard and should never be inserted into a mains socket elsewhere.

Product Features

The numbering of the product features refers to the illustration of the battery charger on the graphics page.

- 1 Battery pack*
- 2 Green battery charge indicator

*Accessories shown or described are not part of the standard delivery scope of the product. A complete overview of accessories can be found in our accessories program.

Technical Data

Battery Charger		AL 2204 CV	AL 2215 CV
Article number		2 607 225 2..	2 607 225 4..
Output voltage (automatic voltage detection)	V _{DC}	14.4 – 21.6	14.4 – 21.6
Charging current	mA	430	1500
Allowable charging temperature range	°C	0 – 45	0 – 45
Charging time for battery capacity, approx.		100%	100%
– 1.0 Ah	min	150	45
– 1.3 Ah	min	180	55
– 1.5 Ah	min	207	63
– 2.0 Ah	min	290	85
Number of battery cells		4 – 6	4 – 6
Weight according to EPTA-Procedure 01:2014	kg	0.71	0.40
Protection class		□ / II	□ / II

Please observe the article number on the type plate of your battery charger. The trade names of individual battery chargers may vary.

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Operation

Starting Operation

- **Observe the mains voltage!** The voltage of the power supply must correspond with the data given on the nameplate of the battery charger. Battery chargers marked with 230 V can also be operated with 220 V.

Charging Procedure

The charging procedure starts as soon as the mains plug of the battery charger is inserted into the socket and the battery **1** or the power tool with the slid on battery **1** is inserted on the battery charger. The power tool cannot be switched on during charging.

Firstly, place the battery **1** as shown in the figure onto the front of the battery charger (❶) and then press the battery **1** down at the rear (❷). To remove the battery, proceed in reverse order.

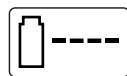
Due to the intelligent charging method, the charging condition of the battery is automatically detected and the battery is charged with the optimum charging current, depending on battery temperature and voltage.

This gives longer life to the battery and always leaves it fully charged when kept in the charger for storage.

Note: The charging procedure is only possible when the battery temperature is within the allowable charging temperature range, see Section "Technical Data".

Meaning of the Indication Elements

Flashing Battery Charge Indicator 2



The charging procedure is signalled by a **flashing** battery charge indicator **2**.

Continuous Lighting of the Battery Charge Indicator 2



Continuous lighting of the battery charge indicator **2** indicates that the battery is fully charged **or** that the temperature of the battery is not within

the allowable charging temperature range, and cannot be charged for this reason. The battery is charged as soon as the allowable charging temperature range is reached.

When the battery is not inserted, **continuous lighting** of the battery charge indicator **2** indicates that the mains plug is inserted in the socket and that the battery charger is ready for operation.

Troubleshooting – Causes and Corrective Measures

Cause	Corrective Measure
Continuous lighting of the battery charge indicator 2	
No charging procedure possible	
Battery not (properly) inserted	Properly insert battery into battery charger
Battery contacts contaminated	Clean the battery contacts (e.g. by inserting and removing the battery several times) or replace the battery
Battery pack defective	Replace the battery
Battery charge indicator 2 does not light up	
Mains plug of battery charger not plugged in (properly)	Insert mains plug (fully) into the socket outlet
Socket outlet, mains cable or battery charger defective	Check the mains voltage; have the battery charger checked by an authorised after-sales service agent for Bosch power tools

Working Advice

With continuous or several repetitive charging cycles without interruption, the charger can warm up. This is not meaningful and does not indicate a technical defect of the battery charger.

A significantly reduced working period after charging indicates that the battery is used and must be replaced.

Maintenance and Service

After-sales Service and Application Service

Our after-sales service responds to your questions concerning maintenance and repair of your product as well as spare parts. Exploded views and information on spare parts can also be found under:

www.bosch-pt.com

Bosch's application service team will gladly answer questions concerning our products and their accessories.

In all correspondence and spare parts orders, please always include the 10-digit article number on the type plate of the battery charger.

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Disposal

Battery chargers, accessories and packaging should be sorted for environmental-friendly recycling.

Do not dispose of battery chargers into household waste!

Only for EC countries:

According to the European Guideline 2012/19/EU for Waste Electrical and Electronic Equipment and its implementation into national right, battery chargers that are no longer usable must be collected separately and disposed of in an environmental correct manner.

Subject to change without notice.